Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An entrance window for a gas filled radiation detector, comprising: a plastic core with electro conductive coatings on both an inner side and an outer side of said plastic core, wherein said inner side is coated with at least two metals.

2. (Original) An entrance window for a gas filled radiation detector, as defined in claim 1, wherein: said plastic core is a high barrier plastic film of low surface density.

3. (Original) An entrance window for a gas filled radiation detector, as defined in claim 1, wherein: said plastic core is a polyethylene terephthalate film.

4. (Currently Amended) An entrance window for a gas filled radiation detector, as defined in claim 3, wherein: said polyethylene terephthalate film is multi[[p]]-layer and oriented.

5. (Original) An entrance window for a gas filled radiation detector, as defined in claim 1, wherein: said plastic core has a thickness of from about 12 µm to about 36 µm.

6. (Original) An entrance window for a gas filled radiation detector, as defined in claim 1, wherein: said electro conductive coating on said outside surface of said plastic core is selected from the group consisting of aluminum, nickel, and iconel.

7. (Currently Amended) An entrance window for a gas filled radiation detector, as defined in claim 6, further comprising: a layer of chromium of about 50-100 Å thickness ~~is~~ applied on<u>to</u> said plastic core between said plastic core and said electro conductive layer.

8. (Original) An entrance window for a gas filled radiation detector, as defined in claim 6, wherein: said electro conductive layer is aluminum of about 400 Å thickness.

9. (Original) An entrance window for a gas filled radiation detector, as defined in claim 6, wherein: said electro conductive layer is nickel of about 200 Å thickness.

10. (Currently Amended) An entrance window for a gas filled radiation detector, as defined in claim 1, wherein: said electro conductive coatings on said inner side of said plastic core comprises: at least one pair of "A"/"B" layers, where "A" of a first <u>inner</u> layer is placed directly on said plastic core and "B" of ~~said first~~ <u>a second inner</u> layer is placed on layer "A".

11. (Original) An entrance window for a gas filled radiation detector, as defined in claim 10, wherein: said "A" layer is selected from the group consisting of chromium, nickel, silver, and gold.

12. (Original) An entrance window for a gas filled radiation detector, as defined in claim 10, wherein: said "A" layer is about 50-100 Å thick.

13. (Original) An entrance window for a gas filled radiation detector, as defined in claim 10, wherein: said "B" layer is selected from the group consisting of: aluminum or titanium.

14. (Original) An entrance window for a gas filled radiation detector, as defined in claim 10, wherein: said "B" layer is about 400-500 Å.

15. (Currently Amended) An entrance window for a gas filled radiation detector, as defined in claim 1, wherein: said electro conductive coatings on said inner side of said plastic core comprises: at least one set of "A"/"B"/"C" layers, where "A" of a first inner layer is placed directly on said plastic core, "B" of ~~said first~~ a second inner layer is placed on layer "A", and "C" of ~~said first~~ a third inner layer is placed on layer "B".

16. (Original) An entrance window for a gas filled radiation detector, as defined in claim 15, wherein: said "A" layer is chromium of about 50-100 Å thickness.

17. (Original) An entrance window for a gas filled radiation detector, as defined in claim 15, wherein: said "B" layer is selected from the group consisting of: aluminum and titanium.

18. (Original) An entrance window for a gas filled radiation detector, as defined in claim 15, wherein said "B" layers is about 300-400 Å thick.

19. (Original) An entrance window for a gas filled radiation detector, as defined in claim 15, wherein: said "C" layer is selected from the group consisting of: chromium, nickel, silver, and gold.

20. (Original) An entrance window for a gas filled radiation detector, as defined in claim 15, wherein: said "C" layer is about 200-300 Å thick.

21. (Currently Amended) An entrance window for a gas filled radiation detector, as defined in claim 10, wherein: said inner ~~layers are~~ side is composed of multiple "A"/"B" layers.

22. (Currently Amended) An entrance window for a gas filled radiation detector, as defined in claim 15, wherein: said inner ~~layers are~~ side is composed of multiple "A"/"B"/"C" layers.